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SEQUENCE LISTING

<110> Applied Research Systems ARS Holding N.V.

5 <120> NOVEL PREADIPOCYTE FACTOR-1-LIKE POLYPEPTIDES

<130> PCT/812

<150> US60/436,815

10 <151> 2002-12-27

<160> 18

<170> PatentIn version 3.2

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Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys

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45 Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro
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Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His
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15 Gly Ile Asn Arg Phe Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg
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Phe Cys Thr Ile Asn Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln Arg
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20 Gly Ala Arg Cys Arg Asp Arg Val His Asp Phe Asp Cys Leu Cys Pro
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25 Ser Gly Tyr Gly Gly Lys Thr Cys Glu Leu Val Leu Pro Val Pro Asp
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30 Pro Pro Thr Thr Val Asp Thr Pro Leu Gly Pro Thr Ser Ala Val Val
 225 230 235 240

35 Val Pro Ala Thr Gly Pro Ala Pro His Ser Ala Gly Ala Gly Leu Leu
 245 250 255

Arg Ile Ser Val Lys Glu Val Val Arg Arg Gln Glu Ala Gly Leu Gly
 260 265 270

40 Glu Pro Ser Leu Val Ala Leu Val Val Phe Gly Ala Leu Thr Ala Ala
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45 Leu Val Leu Ala Thr Val Leu Leu Thr Leu Arg Ala Trp Arg Arg Gly
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50 Val Cys Pro Pro Gly Pro Cys Cys Tyr Pro Ala Pro His Tyr Ala Pro
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20 Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His Ser Gly Trp Ala
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25 Gly Lys Phe Cys Asp Lys Gly Phe His Gly Arg Asp Cys Glu Arg Lys
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35 Cys Gln Asp Asp Gln Gly Phe Ala Leu Asn Phe Thr Cys Arg Cys Leu
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Val Gly Phe Val Gly Ala Arg Cys Glu Val Asn Val Asp Asp Cys Leu
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45 Phe Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg Phe Cys Thr Ile
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50 Asn Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln Arg Gly Ala Arg Cys
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55 Arg Asp Arg Val His Asp Phe Asp Cys Leu Cys Pro Ser Gly Tyr Gly
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Gly Lys Thr Cys Glu Leu Val Leu Pro Val Pro Asp Pro Pro Thr Thr

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25	Thr Val Leu Leu Thr Leu Arg Ala Trp Arg Arg Gly Val Cys Pro Pro		
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5 Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Gly Phe His Gly Arg Asp
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Leu Val Leu Ala Thr Val Leu Leu Thr Leu Arg Ala Trp Arg Arg Gly
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 40 Asp Arg Val His Asp Phe Asp Cys Leu Cys Pro Ser Gly Tyr Gly Gly
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 Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro
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 Ser Gly Trp Ala Asp Glu His Ile Cys Thr Thr Gln Ser Pro Cys Gln
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55	Leu Thr Leu Arg Ala Trp Arg Arg Gly Val Cys Pro Pro Gly Pro Cys	325		330		335	
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35 Cys Met Tyr Asp Gly Gly Gly Glu Tyr His Cys Val Cys Leu Pro Gly
 85 90 95

40 Phe His Gly Arg Asp Cys Glu Arg Lys Ala Gly Pro Cys Glu Gln Ala
 100 105 110

45 Gly Ser Pro Cys Arg Asn Gly Gly Gln Cys Gln Asp Asp Gln Gly Phe
 115 120 125

50 Ala Leu Asn Phe Thr Cys Arg Cys Leu Val Gly Phe Val Gly Ala Arg
 130 135 140

55 Cys Glu Val Asn Val Asp Asp Cys Leu Met Arg Pro Cys Ala Asn Gly
 145 150 155 160

60 Ala Thr Cys Leu Asp Gly Ile Asn Arg Phe Ser Cys Leu Cys Pro Glu
 165 170 175

65 Gly Phe Ala Gly Arg Phe Cys Thr Ile Asn Leu Asp Asp Cys Ala Ser
 180 185 190

70 Arg Pro Cys Gln Arg Gly Ala Arg Cys Arg Asp Arg Val His Asp Phe
 195 200 205

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Asp Cys Leu Cys Pro Ser Gly Tyr Gly Gly Lys Thr Cys Glu Leu Val
 210 215 220
 5
 Leu Pro Val Pro Asp Pro Pro Thr Thr Val Asp Thr Pro Leu Gly Pro
 225 230 235 240
 10
 Thr Ser Ala Val Val Val Pro Ala Thr Gly Pro Ala Pro His Ser Ala
 245 250 255
 15
 Gly Ala Gly Leu Leu Arg Ile Ser Val Lys Glu Val Val Arg Arg Gln
 260 265 270
 20
 Glu Ala Gly Leu Gly Glu Pro Ser Leu Val Ala Leu Val Val Phe Gly
 275 280 285
 25
 Ala Leu Thr Ala Ala Leu Val Leu Ala Thr Val Leu Leu Thr Leu Arg
 290 295 300
 30
 Ala Trp Arg Arg Gly Val Cys Pro Pro Gly Pro Cys Cys Tyr Pro Ala
 305 310 315 320
 35
 Pro His Tyr Ala Pro Ala Cys Gln Asp Gln Glu Cys Gln Val Ser Met
 325 330 335
 40
 Leu Pro Ala Gly Leu Pro Leu Pro Arg Asp Leu Pro Pro Glu Pro Gly
 340 345 350
 Lys Thr Thr Ala Leu
 355
 <210> 10
 <211> 383
 45 <212> PRT
 <213> homo sapiens
 <400> 10
 50 Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile
 1 5 10 15
 55 Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His
 20 25 30
 Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys

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	35	40	45
5	Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro	50	55 60
10	Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His	65	70 75 80
15	Ser Gly Trp Ala Asp Glu His Ile Cys Thr Thr Gln Ser Pro Cys Gln	85	90 95
20	Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly Gly Glu Tyr His Cys Val	100	105 110
25	Cys Leu Pro Gly Phe His Gly Arg Asp Cys Glu Arg Lys Ala Gly Pro	115	120 125
30	Cys Glu Gln Ala Gly Ser Pro Cys Arg Asn Gly Gly Gln Cys Gln Asp	130	135 140
35	Asp Gln Gly Phe Ala Leu Asn Phe Thr Cys Arg Cys Leu Val Gly Phe	145	150 155 160
40	Val Gly Ala Arg Cys Glu Val Asn Val Asp Asp Cys Leu Met Arg Pro	165	170 175
45	Cys Ala Asn Gly Ala Thr Cys Leu Asp Gly Ile Asn Arg Phe Ser Cys	180	185 190
50	Leu Cys Pro Glu Gly Phe Ala Gly Arg Phe Cys Thr Ile Asn Leu Asp	195	200 205
55	Asp Cys Ala Ser Arg Pro Cys Gln Arg Gly Ala Arg Cys Arg Asp Arg	210	215 220
60	Val His Asp Phe Asp Cys Leu Cys Pro Ser Gly Tyr Gly Gly Lys Thr	225	230 235 240
65	Cys Glu Leu Val Leu Pro Val Pro Asp Pro Pro Thr Thr Val Asp Thr	245	250 255
70	Pro Leu Gly Pro Thr Ser Ala Val Val Val Pro Ala Thr Gly Pro Ala	260	265 270

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Pro His Ser Ala Gly Ala Gly Leu Leu Arg Ile Ser Val Lys Glu Val
 275 280 285

5 Val Arg Arg Gln Glu Ala Gly Leu Gly Glu Pro Ser Leu Val Ala Leu
 290 295 300

10 Val Val Phe Gly Ala Leu Thr Ala Ala Leu Val Leu Ala Thr Val Leu
 305 310 315 320

15 Leu Thr Leu Arg Ala Trp Arg Arg Gly Val Cys Pro Pro Gly Pro Cys
 325 330 335

20 Cys Tyr Pro Ala Pro His Tyr Ala Pro Ala Cys Gln Asp Gln Glu Cys
 340 345 350

25 Gln Val Ser Met Leu Pro Ala Gly Leu Pro Leu Pro Arg Asp Leu Pro
 355 360 365

30 Pro Glu Pro Gly Lys Thr Thr Ala Leu His His His His His His
 370 375 380

30 <210> 11
 <211> 420
 <212> DNA
 <213> homo sapiens

35 <220>
 <221> CDS
 <222> (1)..(402)

40 <400> 11
 atg ccc agc ggc tgc cgc tgc ctg cat ctc gtg tgc ctg ttg tgc att 48
 Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile
 1 5 10 15

45 ctg ggg gct ccc ggt cag cct gtc cga gcc gat gac tgc agc tcc cac 96
 Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His
 20 25 30

50 tgt gac ctg gcc cac ggc tgc tgt gca cct gac ggc tcc tgc agg tgt 144
 Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys
 35 40 45

55 gac ccg ggc tgg gag ggg ctg cac tgt gag cgc tgt gtg agg atg cct 192
 Asp Pro Gly Trp Glu Gly His Cys Glu Arg Cys Val Arg Met Pro
 50 55 60

ggc tgc cag cac ggt acc tgc cac cag cca tgg cag tgc atc tgc cac 240
 Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His

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	65	70	75	80	
5	agt ggc tgg gca ggc aag ttc tgt gac aaa gat gaa cat atc tgt acc Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr	85	90	95	288
10	acg cag tcc ccc tgc cag aat gga ggc cag tgc atg tat gac ggg ggc Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly	100	105	110	336
15	ggt gag tac cat tgt gtg tgc tta cca ggc ttc cat ggg cgt gac tgc Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys	115	120	125	384
20	gag cgc aag gct gga ccc caccatcacc atcaccat Glu Arg Lys Ala Gly Pro	130			420
25	<210> 12 <211> 134 <212> PRT <213> homo sapiens				
30	Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile 1 5 10 15				
35	Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His 20 25 30				
40	Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys 35 40 45				
45	Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro 50 55 60				
50	Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His 65 70 75 80				
55	Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr 85 90 95				
60	Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly 100 105 110				
65	Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys 115 120 125				

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Glu Arg Lys Ala Gly Pro
130

5 <210> 13
<211> 114
<212> PRT
<213> homo sapiens

10 <400> 13

Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His Cys Asp Leu Ala
1 5 10 15

15 His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys Asp Pro Gly Trp
20 25 30

20 Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro Gly Cys Gln His
35 40 45

25 Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His Ser Gly Trp Ala
50 55 60

Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr Thr Gln Ser Pro
65 70 75 80

30 Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly Gly Glu Tyr His
85 90 95

35 Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys Glu Arg Lys Ala
100 105 110

40 Gly Pro

45 <210> 14
<211> 140
<212> PRT
<213> homo sapiens

50 <400> 14

Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile
1 5 10 15

55 Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His
20 25 30

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Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys
 35 40 45

5 Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro
 50 55 60

10 Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His
 65 70 75 80

15 Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr
 85 90 95

Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly
 100 105 110

20 Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys
 115 120 125

25 Glu Arg Lys Ala Gly Pro His His His His His His
 130 135 140

30 <210> 15
 <211> 1167
 <212> DNA
 <213> homo sapiens

35 <220>
 <221> CDS
 <222> (1)..(1149)

40 <400> 15
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 Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile
 1 5 10 15

45 ctg ggg gct ccc ggt cag cct gtc cga gcc gat gac tgc agc tcc cac 96
 Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His
 20 25 30

50 tgt gac ctg gcc cac ggc tgc tgt gca cct gac ggc tcc tgc agg tgt 144
 Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys
 35 40 45

55 gac ccg ggc tgg gag ggg ctg cac tgt gag cgc tgt gtg agg atg cct 192
 Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro
 50 55 60

ggc tgc cag cac ggt acc tgc cac cag cca tgg cag tgc atc tgc cac 240
 Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His
 65 70 75 80

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	agt ggc tgg gca ggc aag ttc tgt gac aaa gat gaa cat atc tgt acc	288
	Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr	
	85 90 95	
5	acg cag tcc ccc tgc cag aat gga ggc cag tgc atg tat gac ggg ggc	336
	Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly	
	100 105 110	
10	ggt gag tac cat tgt gtg tgc tta cca ggc ttc cat ggg cgt gac tgc	384
	Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys	
	115 120 125	
15	gag cgc aag gct gga ccc tgt gaa cag gca ggc tcc cca tgc cgc aat	432
	Glu Arg Lys Ala Gly Pro Cys Glu Gln Ala Gly Ser Pro Cys Arg Asn	
	130 135 140	
20	ggc ggg cag tgc cag gac gac cag ggc ttt gct ctc aac ttc acg tgc	480
	Gly Gly Gln Cys Gln Asp Asp Gln Gly Phe Ala Leu Asn Phe Thr Cys	
	145 150 155 160	
25	cgc tgc ttg gtg ggc ttt gtg ggt gcc cgc tgt gag gta aat gtg gat	528
	Arg Cys Leu Val Gly Phe Val Gly Ala Arg Cys Glu Val Asn Val Asp	
	165 170 175	
30	gac tgc ctg atg cgg cct tgt gct aac ggt gcc acc tgc ctt gac ggc	576
	Asp Cys Leu Met Arg Pro Cys Ala Asn Gly Ala Thr Cys Leu Asp Gly	
	180 185 190	
35	ata aac cgc ttc tcc tgc ctc tgt cct gag ggc ttt gct gga cgc ttc	624
	Ile Asn Arg Phe Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg Phe	
	195 200 205	
40	tgc acc atc aac ctg gat gac tgt gcc agc cgc cca tgc cag aga ggc	672
	Cys Thr Ile Asn Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln Arg Gly	
	210 215 220	
45	gcc cgc tgt cgg gac cgt gtc cac gac ttc gac tgc ctc tgc ccc agt	720
	Ala Arg Cys Arg Asp Arg Val His Asp Phe Asp Cys Leu Cys Pro Ser	
	225 230 235 240	
50	ggc tat ggt ggc aag acc tgt gag ctt gtc tta cct gtc cca gac ccc	768
	Gly Tyr Gly Gly Lys Thr Cys Glu Leu Val Leu Pro Val Pro Asp Pro	
	245 250 255	
55	cca acc aca gtg gac acc cct cta ggg ccc acc tca gct gta gtg gta	816
	Pro Thr Thr Val Asp Thr Pro Leu Gly Pro Thr Ser Ala Val Val Val	
	260 265 270	
60	cct gcc acg ggg cca gcc ccc cac agc gca ggg gct ggt ctg ctg cgg	864
	Pro Ala Thr Gly Pro Ala Pro His Ser Ala Gly Ala Gly Leu Leu Arg	
	275 280 285	
65	atc tca gtg aag gag gtg gtg cgg agg caa gag gct ggg cta ggt gag	912
	Ile Ser Val Lys Glu Val Val Arg Arg Gln Glu Ala Gly Leu Gly Glu	
	290 295 300	
70	cct agc ttg gtg gcc ctg gtg gtg ttt ggg gcc ctc act gct gcc ctg	960

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Pro Ser Leu Val Ala Leu Val Val Phe Gly Ala Leu Thr Ala Ala Leu
 305 310 315 320

5 gtt ctg gct act gtg ttg ctg acc ctg agg gcc tgg cgc cgg ggt gtc 1008
 Val Leu Ala Thr Val Leu Leu Thr Leu Arg Ala Trp Arg Arg Gly Val
 325 330 335

10 tgc ccc cct gga ccc tgt tgc tac cct gcc cca cac tat gct cca gcg 1056
 Cys Pro Pro Gly Pro Cys Cys Tyr Pro Ala Pro His Tyr Ala Pro Ala
 340 345 350

15 tgc cag gac cag gag tgt cag gtt agc atg ctg cca gca ggg ctc ccc 1104
 Cys Gln Asp Gln Glu Cys Gln Val Ser Met Leu Pro Ala Gly Leu Pro
 355 360 365

ctg cca cgt gac ttg ccc cct gag cct gga aag acc aca gca ctg 1149
 Leu Pro Arg Asp Leu Pro Pro Glu Pro Gly Lys Thr Thr Ala Leu
 370 375 380

20 caccatcacc atcaccat 1167

<210> 16
 <211> 383
 25 <212> PRT
 <213> homo sapiens

<400> 16

30 Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile
 1 5 10 15

35 Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His
 20 25 30

40 Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys
 35 40 45

Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro
 50 55 60

45 Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His
 65 70 75 80

50 Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr
 85 90 95

55 Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly
 100 105 110

Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys

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	115	120	125
5	Glu Arg Lys Ala Gly Pro Cys 130	Glu Gln Ala Gly Ser 135	Pro Cys Arg Asn 140
10	Gly Gly Gln Cys Gln Asp 145	Asp Gln Gly Phe Ala Leu 150	Asn Phe Thr Cys 155
15	Arg Cys Leu Val Gly Phe Val 165	Gly Ala Arg Cys Glu Val 170	Asn Val Asp 175
20	Asp Cys Leu Met Arg Pro Cys 180	Ala Asn Gly Ala Thr Cys 185	Leu Asp Gly 190
25	Ile Asn Arg Phe Ser Cys Leu 195	Cys Pro Glu Gly Phe Ala Gly 200	Arg Phe 205
30	Cys Thr Ile Asn Leu Asp Asp 210	Cys Ala Ser Arg Pro Cys 215	Gln Arg Gly 220
35	Ala Arg Cys Arg Asp Arg Val 225	His Asp Phe Asp Cys Leu Cys 230	Pro Ser 235
40	Gly Tyr Gly Gly Lys Thr Cys 245	Glu Leu Val Leu Pro Val Pro 250	Asp Pro 255
45	Pro Thr Thr Val Asp Thr Pro 260	Leu Gly Pro Thr Ser Ala Val 265	Val Val Val 270
50	Pro Ala Thr Gly Pro Ala Pro 275	His Ser Ala Gly Ala Gly 280	Leu Leu Arg 285
55	Ile Ser Val Lys Glu Val Val 290	Arg Arg Gln Glu Ala Gly 295	Leu Gly Glu 300
60	Pro Ser Leu Val Ala Leu Val Val 305	Phe Gly Ala Leu Thr Ala Ala 310	Leu 315
65	Val Leu Ala Thr Val Leu Leu Thr 325	Leu Arg Ala Trp Arg Arg 330	Gly Val 335
70	Cys Pro Pro Gly Pro Cys Cys Tyr 340	Pro Ala Pro His Tyr Ala 345	Pro Ala 350

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Cys Gln Asp Gln Glu Cys Gln Val Ser Met Leu Pro Ala Gly Leu Pro
 355 360 365

5 Leu Pro Arg Asp Leu Pro Pro Glu Pro Gly Lys Thr Thr Ala Leu
 370 375 380

10 <210> 17
 <211> 363
 <212> PRT
 <213> homo sapiens

15 <400> 17

Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His Cys Asp Leu Ala
 1 5 10 15

20 His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys Asp Pro Gly Trp
 20 25 30

25 Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro Gly Cys Gln His
 35 40 45

30 Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His Ser Gly Trp Ala
 50 55 60

Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr Thr Gln Ser Pro
 65 70 75 80

35 Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly Gly Glu Tyr His
 85 90 95

40 Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys Glu Arg Lys Ala
 100 105 110

45 Gly Pro Cys Glu Gln Ala Gly Ser Pro Cys Arg Asn Gly Gly Gln Cys
 115 120 125

50 Gln Asp Asp Gln Gly Phe Ala Leu Asn Phe Thr Cys Arg Cys Leu Val
 130 135 140

Gly Phe Val Gly Ala Arg Cys Glu Val Asn Val Asp Asp Cys Leu Met
 145 150 155 160

55 Arg Pro Cys Ala Asn Gly Ala Thr Cys Leu Asp Gly Ile Asn Arg Phe
 165 170 175

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5      Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg Phe Cys Thr Ile Asn
      180                                     185                                     190

Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln Arg Gly Ala Arg Cys Arg
      195                                     200                                     205

10    Asp Arg Val His Asp Phe Asp Cys Leu Cys Pro Ser Gly Tyr Gly Gly
      210                                     215                                     220

15    Lys Thr Cys Glu Leu Val Leu Pro Val Pro Asp Pro Pro Thr Thr Val
      225                                     230                                     235                                     240

20    Asp Thr Pro Leu Gly Pro Thr Ser Ala Val Val Val Pro Ala Thr Gly
      245                                     250                                     255

25    Pro Ala Pro His Ser Ala Gly Ala Gly Leu Leu Arg Ile Ser Val Lys
      260                                     265                                     270

30    Glu Val Val Arg Arg Gln Glu Ala Gly Leu Gly Glu Pro Ser Leu Val
      275                                     280                                     285

35    Ala Leu Val Val Phe Gly Ala Leu Thr Ala Ala Leu Val Leu Ala Thr
      290                                     295                                     300

40    Val Leu Leu Thr Leu Arg Ala Trp Arg Arg Gly Val Cys Pro Pro Gly
      305                                     310                                     315                                     320

45    Pro Cys Cys Tyr Pro Ala Pro His Tyr Ala Pro Ala Cys Gln Asp Gln
      325                                     330                                     335

50    Glu Cys Gln Val Ser Met Leu Pro Ala Gly Leu Pro Leu Pro Arg Asp
      340                                     345                                     350

55    Leu Pro Pro Glu Pro Gly Lys Thr Thr Ala Leu
      355                                     360

<210> 18
<211> 389
<212> PRT
<213> homo sapiens

<400> 18

Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile

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			20					25					30			
10	Cys	Asp	Leu	Ala	His	Gly	Cys	Cys	Ala	Pro	Asp	Gly	Ser	Cys	Arg	Cys
			35					40					45			
15	Asp	Pro	Gly	Trp	Glu	Gly	Leu	His	Cys	Glu	Arg	Cys	Val	Arg	Met	Pro
		50					55					60				
20	Gly	Cys	Gln	His	Gly	Thr	Cys	His	Gln	Pro	Trp	Gln	Cys	Ile	Cys	His
	65					70					75				80	
25	Ser	Gly	Trp	Ala	Gly	Lys	Phe	Cys	Asp	Lys	Asp	Glu	His	Ile	Cys	Thr
					85					90					95	
30	Thr	Gln	Ser	Pro	Cys	Gln	Asn	Gly	Gly	Gln	Cys	Met	Tyr	Asp	Gly	Gly
			100						105						110	
35	Gly	Glu	Tyr	His	Cys	Val	Cys	Leu	Pro	Gly	Phe	His	Gly	Arg	Asp	Cys
			115					120					125			
40	Glu	Arg	Lys	Ala	Gly	Pro	Cys	Glu	Gln	Ala	Gly	Ser	Pro	Cys	Arg	Asn
		130					135					140				
45	Gly	Gly	Gln	Cys	Gln	Asp	Asp	Gln	Gly	Phe	Ala	Leu	Asn	Phe	Thr	Cys
	145					150					155					160
50	Arg	Cys	Leu	Val	Gly	Phe	Val	Gly	Ala	Arg	Cys	Glu	Val	Asn	Val	Asp
					165					170					175	
55	Asp	Cys	Leu	Met	Arg	Pro	Cys	Ala	Asn	Gly	Ala	Thr	Cys	Leu	Asp	Gly
			180						185					190		
60	Ile	Asn	Arg	Phe	Ser	Cys	Leu	Cys	Pro	Glu	Gly	Phe	Ala	Gly	Arg	Phe
			195					200					205			
65	Cys	Thr	Ile	Asn	Leu	Asp	Asp	Cys	Ala	Ser	Arg	Pro	Cys	Gln	Arg	Gly
		210					215					220				
70	Ala	Arg	Cys	Arg	Asp	Arg	Val	His	Asp	Phe	Asp	Cys	Leu	Cys	Pro	Ser
	225					230					235				240	

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[illegible]